

Title (en)
IMPROVED CUTTING EDGES

Publication
EP 0206494 B1 19890802 (EN)

Application
EP 86303629 A 19860513

Priority
GB 8512542 A 19850517

Abstract (en)
[origin: EP0206494A1] A process for providing an improved cutting blade (1) comprising the operations of depositing in vacuo upon a region of a surface of a blade which it is desired to form into a cutting edge (2) a layer (3) of material capable of forming a compound harder than the material of the blade, and bombarding the deposited material (3) with ions of a second material (6) capable of reacting with the deposited material (3) to form the said compound, the ions of the second material having an energy sufficient to cause at least some ion beam mixing of the hard coating with the material of the blade.

IPC 1-7
C23C 14/48; C23C 26/00

IPC 8 full level
C23C 14/16 (2006.01); **B23P 15/28** (2006.01); **B23P 15/40** (2006.01); **C23C 14/48** (2006.01); **C23C 26/00** (2006.01)

CPC (source: EP)
C23C 14/48 (2013.01); **C23C 26/00** (2013.01)

Citation (examination)
EP 0175538 A1 19860326 - ATOMIC ENERGY AUTHORITY UK [GB]

Cited by
CN1034679C; EP0418905A3; AU616427B2; GB2197346A; GB2197346B

Designated contracting state (EPC)
CH DE FR IT LI SE

DOCDB simple family (publication)
GB 2175316 A 19861126; GB 2175316 B 19890426; GB 8611627 D0 19860618; DE 3664792 D1 19890907; EP 0206494 A1 19861230; EP 0206494 B1 19890802; GB 8512542 D0 19850619; JP S61274825 A 19861205

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